

APPENDIX 1

Additional Requirements by Other State Agencies of Oregon

In the administration of ORS 537.505 to 537.795, the Director of the Water Resources Department has statutory authority under the provisions of ORS 537.780 "to prescribe and enforce general standards for the construction and maintenance of wells and their casings, fittings, valves, and pumps..." Other agencies of the state have statutory responsibilities that relate either directly or indirectly to the construction and operation of public water supply systems and their source of water supply. These agencies and their responsibilities are listed as follows:

<p>OREGON HEALTH AUTHORITY 800 NE Oregon Street Portland, OR 97232 (serving more than three single residents) www.oregon.gov/OHA/Pages/index.aspx</p>	<p>ORS Chapter 448</p>	<p>Municipal Water Supply Systems Public Water Supply Systems Community Water Supply Systems Source Water Protection</p>
<p>BUILDING CODES DIVISION 1535 Edgewater NW Salem, OR 97304-4635 www.cbs.state.or.us/external/bcd</p>	<p>ORS Chapter 446</p>	<p>Electrical and Plumbing for all Commercial Enterprises Mobile Home Park Water Supply Systems</p>
<p>OREGON PUBLIC UTILITY COMMISSION 550 Capitol St. NE Salem, OR 97301-2551 www.puc.state.or.us/</p>	<p>ORS Chapter 757</p>	<p>Private Owners (water supply systems, 200 homes or more)</p>
<p>DEPARTMENT OF ENVIRONMENTAL QUALITY 811 SW Sixth Ave. Portland, OR 97204-1390 www.oregon.gov/deq</p>	<p>ORS Chapter 468</p>	<p>Water Quality Monitoring Underground Injection Systems Source Water Protection</p>
<p>SECRETARY OF STATE CORPORATION DIVISION Business Services Division Public Service Bldg., Suite 180 Salem, OR 97310 www.sos.state.or.us</p>		<p>Business Registry for Water Districts</p>

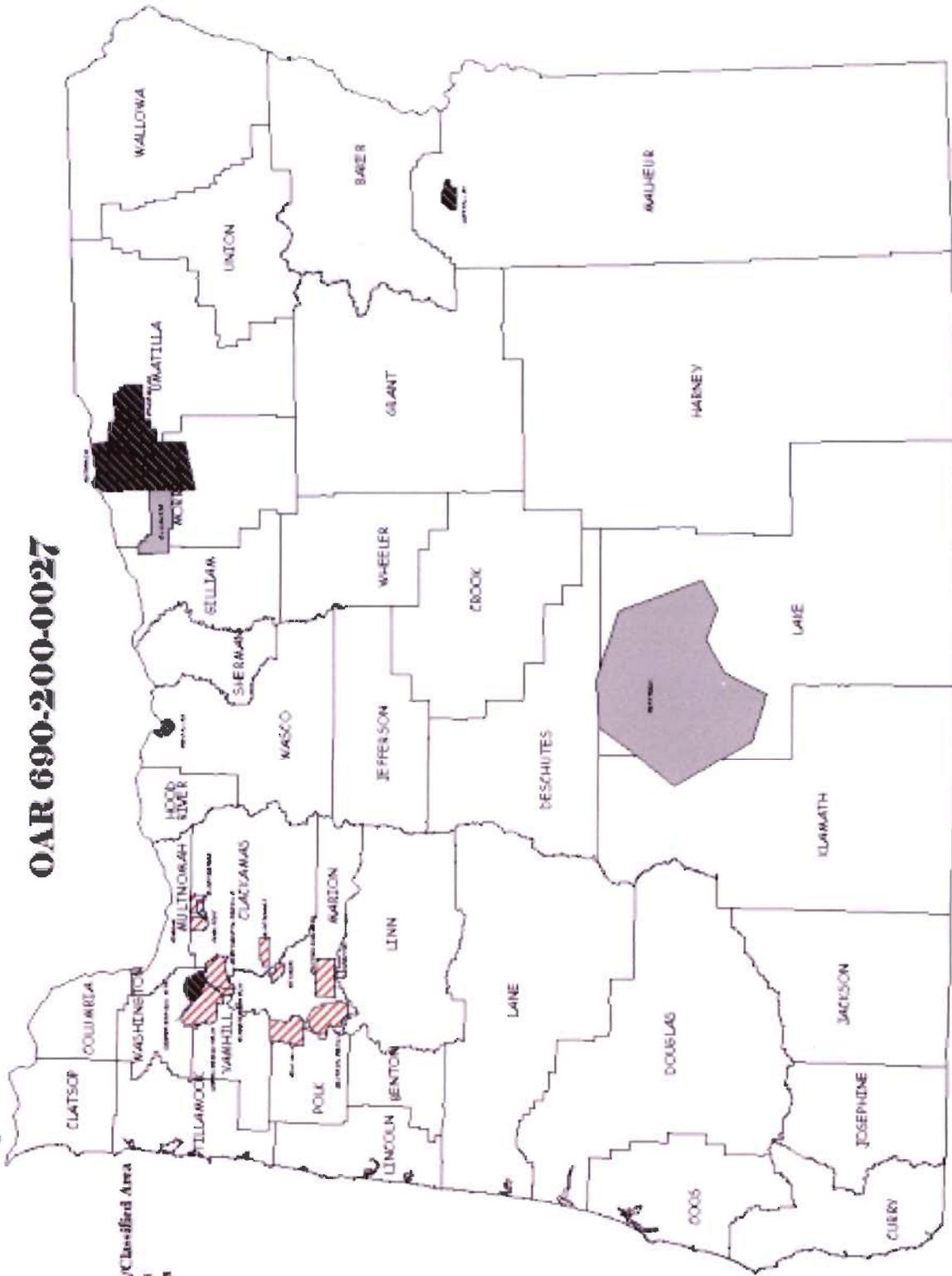
APPENDIX 1- CONTINUED

All wells constructed in Oregon, including those to serve as a source of ground water to municipal, community, public, or public utility water supply systems, must be constructed in accordance with the rules and regulations prescribing general standards for the construction and maintenance of wells in Oregon (OAR 690 Divisions 205, 210, 215, 220 and 240). Additional construction standards for water supply systems may be required by the above listed agencies. Such rules and regulations generally include the source of water supply to the systems and may affect well construction requirements. Copies of the various agency rules may be obtained by contacting the responsible agency. Well constructors planning to construct a well as a source of water supply for any of the above systems are advised to contact the responsible agency prior to the beginning of well construction.

Special Groundwater Control Areas

OAR 690-200-0027

- Text County-500
 Special Areas Key
 Ground Water Withdrawal/Classified Area
 Critical Ground Water Area
 Ground Water Limited Area



48-0212 / 2003
 http://deq.state.or.us/arcwww/ogw.htm



Figure 200-1

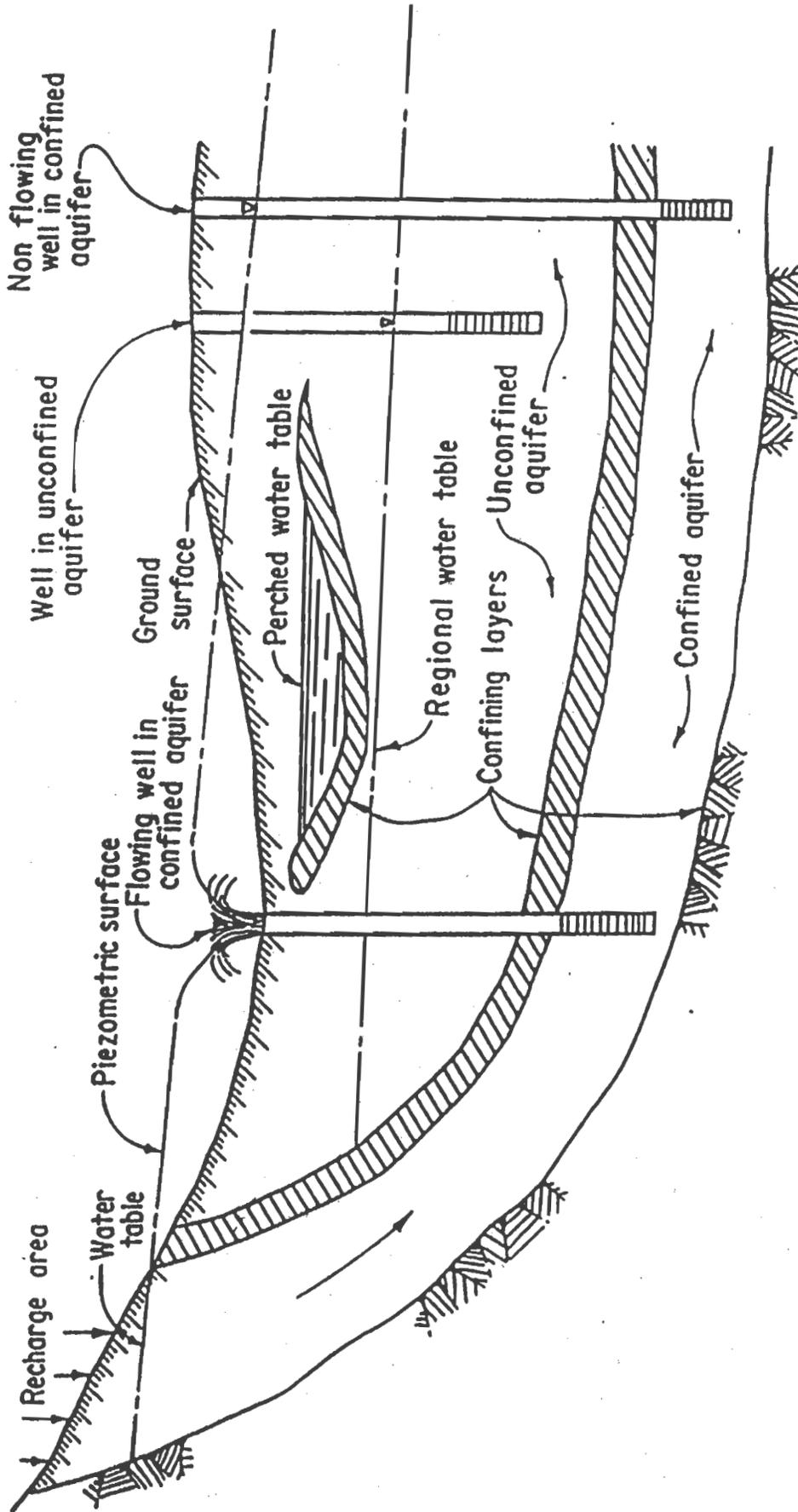


FIGURE 1-2.—Types of aquifers. 103-D-1401.

FIGURE 200-3

Special Area Standards
"Lakeview Area"
OAR 690-200-0028

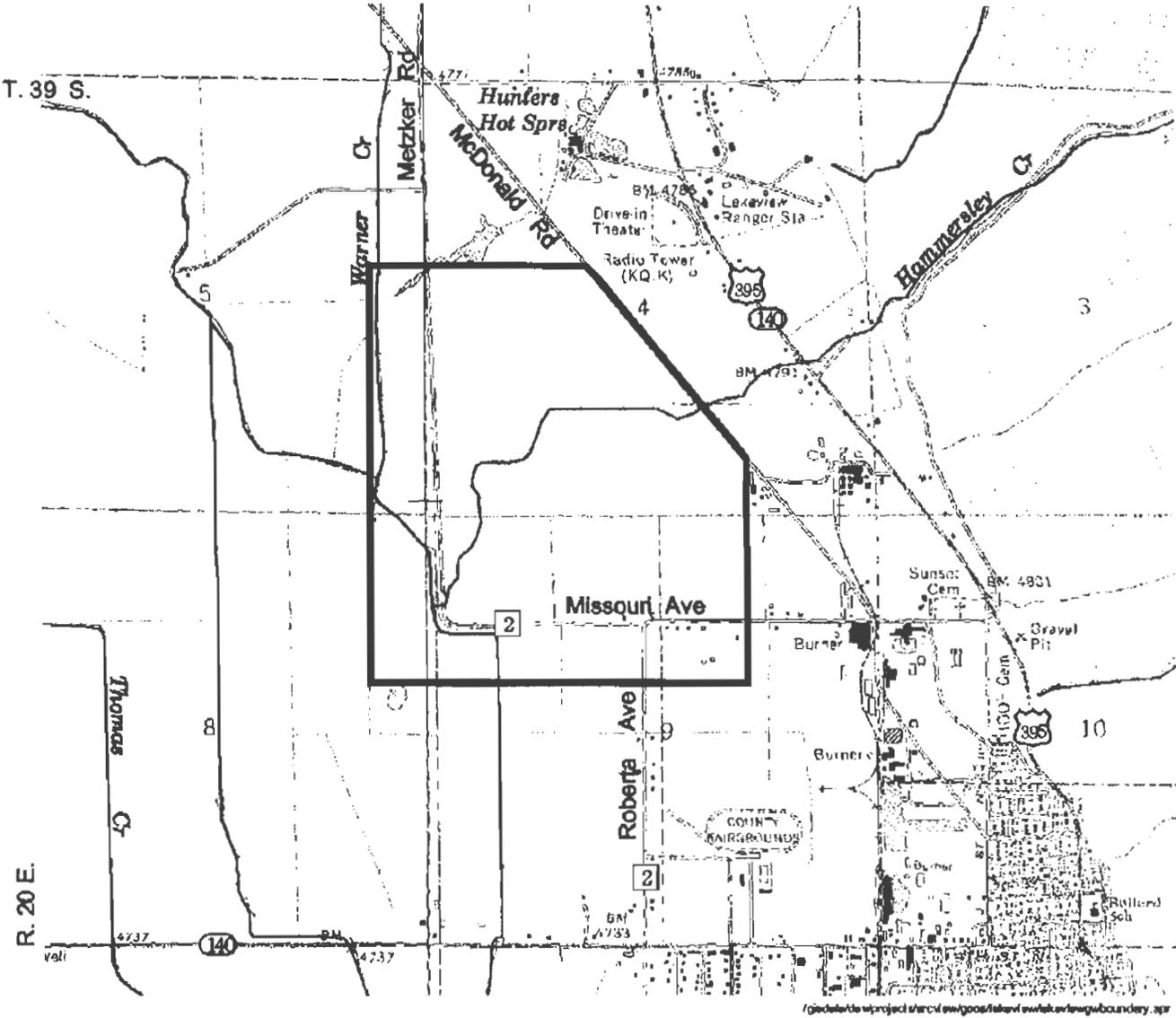
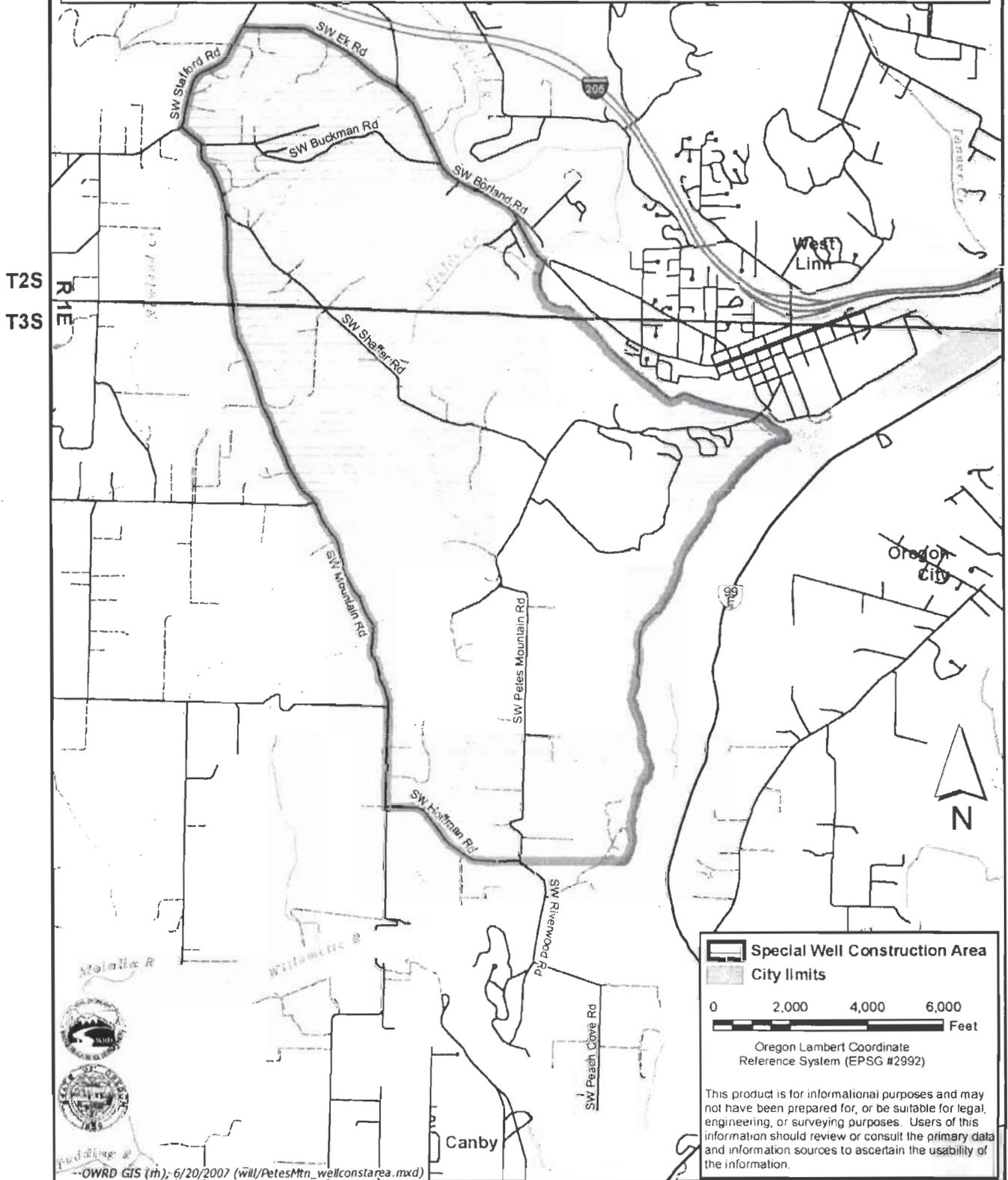
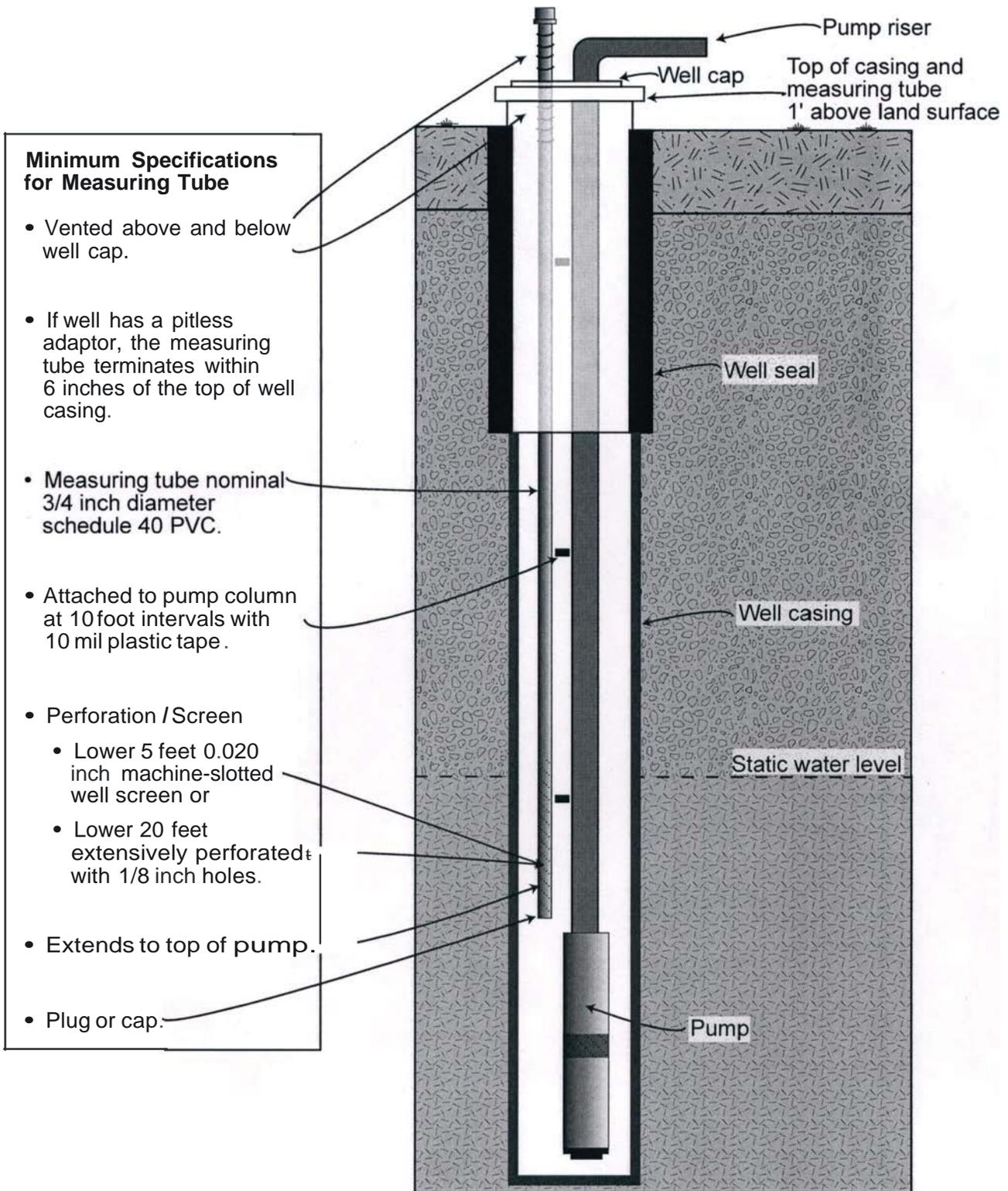


Figure 200-4

Special Area Standards: Petes Mountain Area



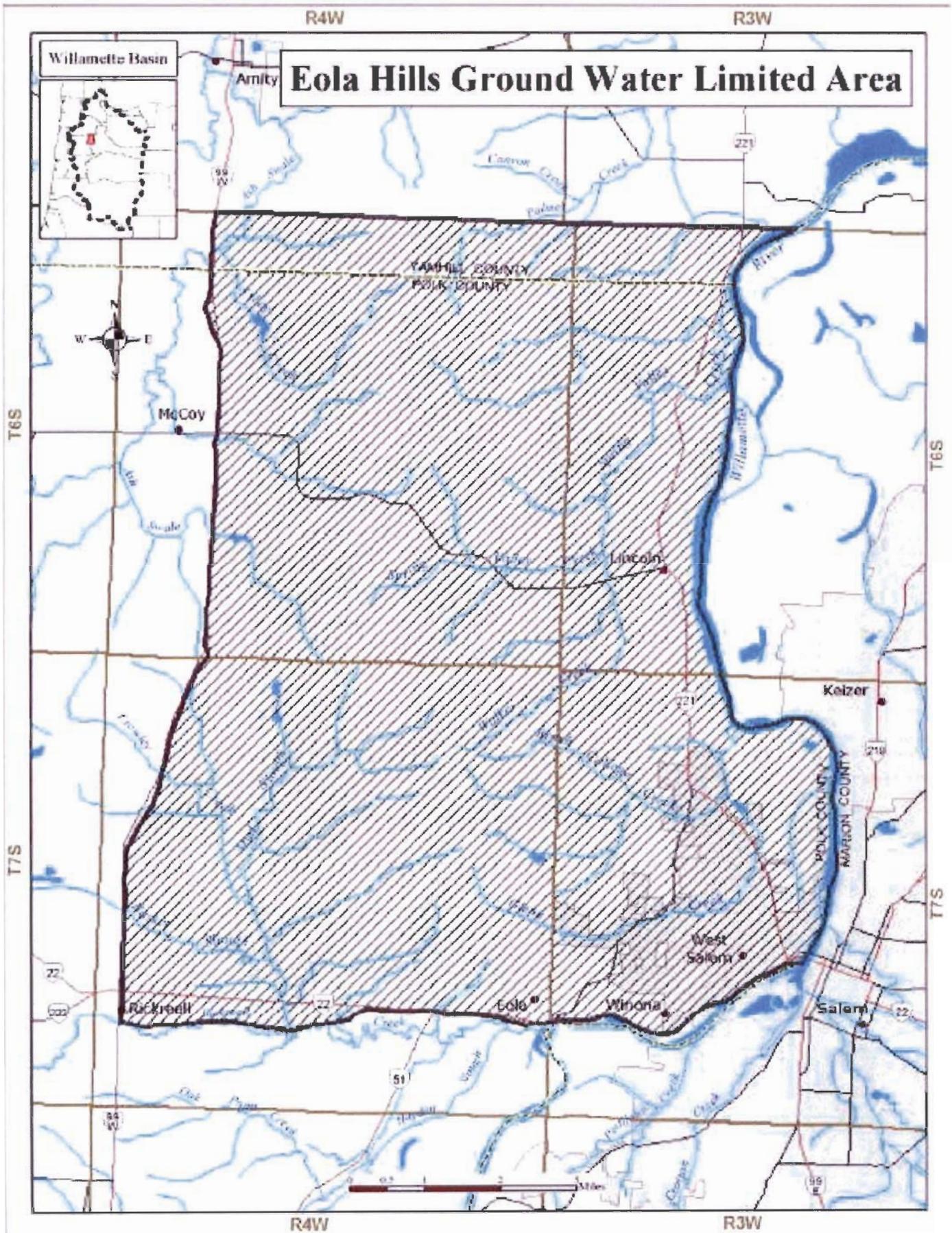
Measuring Tube Diagram and Specifications



This diagram details the minimum standards for a dedicated measuring tube. A measuring tube may be constructed in a manner that exceeds these standards without prior Department approval. The dedicated measuring tube shall not be reduced in size over the length of the pipe and shall remain free from wires or any other obstruction.

FIGURE 200-7

Special Area Standards
OAR 690-200-0028



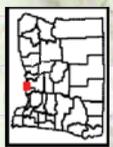
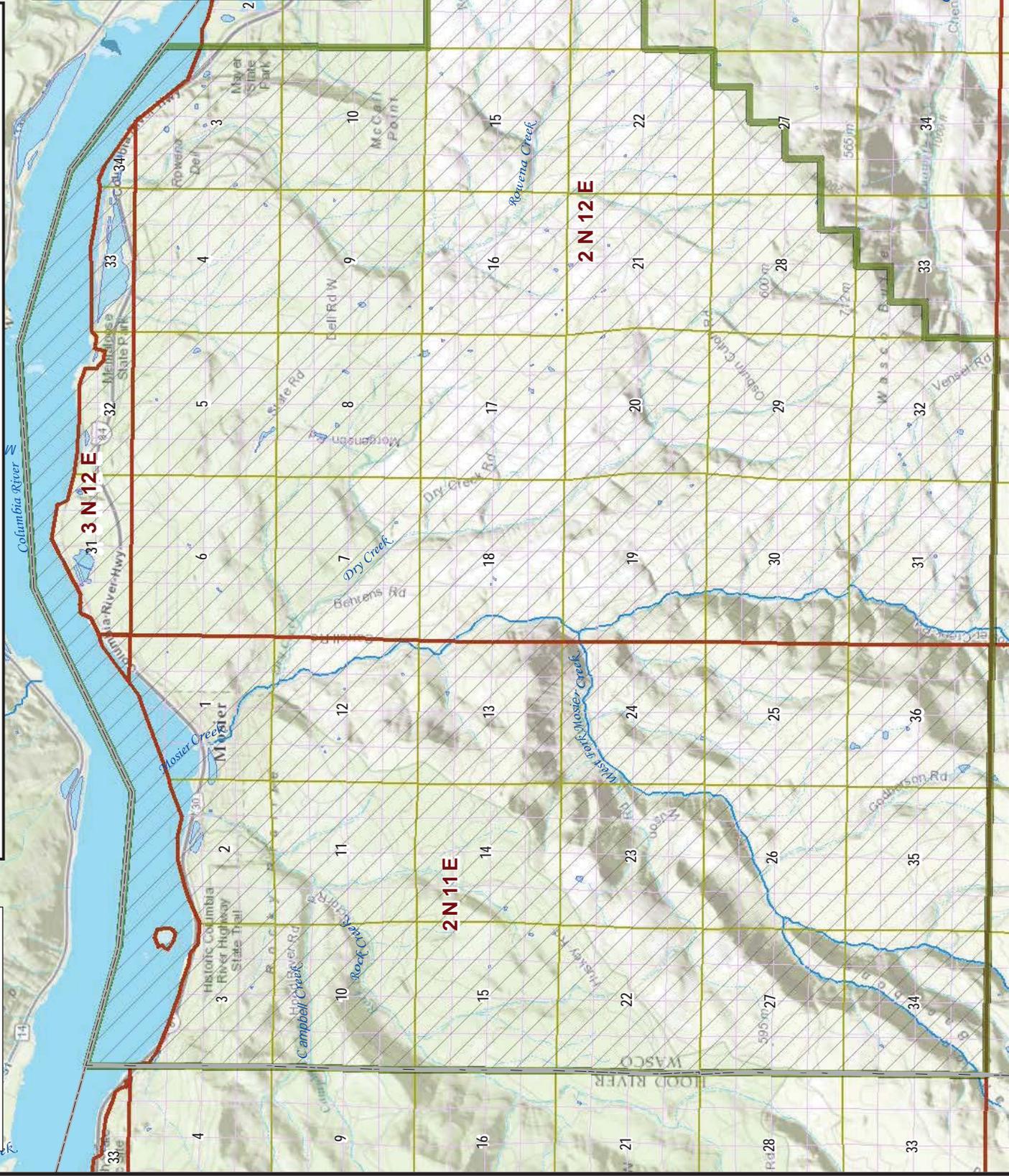
SPECIAL AREA STANDARDS: MOSIER AREA

Figure 200-8



DISCLAIMER

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**WATER RESOURCES DEPARTMENT
CHAPTER 690
DIVISION 200-0005
WATERSUPPLYWELL CONSTRUCTION STANDARDS**

TABLE 200-1

WHICH STANDARDS APPLY?

The Department regulates the construction of borings through which groundwater may become contaminated. The type of boring (and its purpose) will determine which set of regulations apply. Questions often arise as to how a certain boring is to be regulated. In general, if the purpose of a boring is to seek water then it is considered a well. The table below lists common types of holes and the standards that apply. This is not a complete list of borings and there are other types of borings regulated by other agencies. Contact the Water Resources Department if you have any questions.

The general standards and their Oregon Administrative Rule reference are:

Water Supply Wells	OAR 690-200 through 690-235
Monitoring Wells	OAR 690-240
Other Holes	OAR 690-240-0030
Geotechnical Holes	OAR 690-240-0035 through 690-240-0049

Description of Boring:	Standards that Apply
Air Sparging Well	Monitoring Well
Aquifer Storage and Recovery Well	Water Supply Well
Cathodic Protection Hole	Geotechnical Hole
Community Well	Water Supply Well
Construction Hole	Other Hole
Dewatering Well	Water Supply Well
Domestic Well	Water Supply Well
Drive Point (Core holes)	Geotechnical Hole
Drive Point Well (Dewatering)	Water Supply Well
Drive Point Well (Water Sampling)	Monitoring Well
Drive Point Well (Water Supply)	Water Supply Well
Dry (Disposal) Well	Other Hole
Elevator Shaft	Other Hole
Extraction Well	Monitoring Well
Gas Migration Hole	Geotechnical Hole
Geothermal Well	Water Supply Well
Gravel Pit	Other Hole
Heat Exchange Hole (Closed Loop)	Geotechnical Hole
Heat Exchange Hole (Open Loop)	Water Supply Well
Horizontal Drain (Slope Stability)	Geotechnical Hole
Horizontal Well (Monitoring)	Monitoring Well
Horizontal Well (Water Supply)	Water Supply Well
Inclinometer	Geotechnical Hole
Industrial Well	Water Supply Well

Injection Well (Water)	Water Supply Well
Injection Well (Remediation) (>72 Hours)	Monitoring Well
Injection Well (Remediation) (<72 Hours)	Geotechnical Hole
Irrigation Well	Water Supply Well
Monitoring Well	Monitoring Well
Municipal Well	Water Supply Well
Observation Hole	Monitoring Well
Permeability Test Hole	Geotechnical Hole
Piezometer (Electric)	Geotechnical Hole
Piezometer (Pneumatic)	Geotechnical Hole
Piezometer Well	Monitoring Well
Piling Hole	Other Hole
Post Hole	Other Hole
Power Pole Hole	Other Hole
Public Supply Well	Water Supply Well
Remediation Or Recovery Well	Monitoring Well/Water Supply Well
Rock Boring (< 10 Feet)	Other Hole
Rock Boring (> 10 Feet)	Geotechnical Hole
Seismic Shot Hole	Geotechnical Hole
Slope Stability Hole	Geotechnical Hole
Soil Boring (< 10 Feet) (geophysical borings)	Other Hole
Soil Boring (>10 Feet) (geophysical borings)	Geotechnical Hole
Soil Vapor Hole	Geotechnical Hole
Sparging Well	Monitoring Well
Storm Water Disposal	Other Hole
Sump	Other Hole (if < 10 ft. deep and > 10 ft. dia.)
Temporary Monitoring Well (<72 Hours)	Geotechnical Hole
Temporary Monitoring Well (>72 Hours)	Monitoring Well
Trench	Other Hole
Underground Storage Tank (UST) Pit	Other Hole
Vapor Extraction Hole	Geotechnical Hole
Wetland Delineation Hole	Other Hole
Wet Soil Monitoring Hole	Geotechnical Hole

**WATER RESOURCES DEPARTMENT
CHAPTER 690
DIVISION 200
WATER SUPPLY WELL CONSTRUCTION STANDARDS**

**Table 200-2
(OAR 690-200)**

Watermaster Office Phone Numbers

District	Watermaster Office	Phone Number
1	Tillamook	503-815-1967
2	Eugene	541-682-3620
3	The Dalles	541-506-2653
4	Canyon City	541-575-4040
5	Pendleton	541-278-5456
6	La Grande	541-963-1031
7	Enterprise	541-426-4464
8	Baker City	541-523-8224
9	Vale	541-473-5130
10	Burns	541-573-2764
11	Bend	541-306-4808
12	Lakeview	541-947-6038
13	Medford	541-774-6882
14	Grants Pass	541-479-2401
15	Roseburg	541-440-4255
16	Salem	503-986-0889
17	Klamath Falls	541-883-4182
18	Hillsboro	503-846-7780
19	Coquille	541-297-6157
20	Clackamas	503-722-1410
21	Condon	541-384-4207

Notes:

1. Watermaster phone numbers are subject to change.
2. A current version of this table is available from the Water Resources Department's Salem office.